

Dunstable

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	1.11	0	NC*	Male	0.91	0	NC*
Female	0.35	0	NC*	Female	0.68	0	NC*
Total	1.46	0	NC*	Total	1.59	0	NC*
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	0.51	2	NC*	Male	0.23	0	NC*
Female	0.36	0	NC*	Female	0.19	0	NC*
Total	0.86	2	NC*	Total	0.42	0	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.08	0	NC*	Male	1.10	2	NC*
Female	8.31	6	72	Female	0.80	0	NC*
Total	8.39	6	72	Total	1.90	2	NC*
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	0.60	0	NC*	Male	0.99	2	NC*
				Female	0.37	0	NC*
				Total	1.36	2	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	2.81	3	NC*	Female	1.01	2	NC*
Female	2.16	3	NC*				
Total	4.98	6	121				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	0.49	0	NC*	Male	0.49	1	NC*
Female	0.11	0	NC*	Female	0.38	0	NC*
Total	0.60	0	NC*	Total	0.87	1	NC*
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	0.26	0	NC*	Male	7.36	10	136
Female	0.20	0	NC*				
Total	0.47	0	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	0.82	0	NC*	Male	0.50	0	NC*
Female	0.43	0	NC*	Female	0.23	0	NC*
Total	1.25	0	NC*	Total	0.73	0	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	0.48	0	NC*	Male	0.41	1	NC*
Female	0.12	0	NC*				
Total	0.60	0	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	0.60	0	NC*	Male	0.22	0	NC*
Female	0.42	0	NC*	Female	0.56	0	NC*
Total	1.01	0	NC*	Total	0.78	0	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	0.30	0	NC*	Female	1.57	2	NC*
Female	0.09	0	NC*				
Total	0.38	0	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	3.90	1	NC*	Male	25.29	24	95
Female	2.87	3	NC*	Female	23.28	16	69
Total	6.77	4	NC*	Total	48.57	40	82

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [**Obs** / **Exp**] X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the $p \leq 0.05$ level

~ indicates statistical significance at the $p \leq 0.01$ level, as well as at the $p \leq 0.05$ level

^ indicates statistical significance at the $p \leq 0.001$ level, as well as at the $p \leq 0.01$ and $p \leq 0.05$ levels

Duxbury

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	9.26	11	119	Male	6.24	10	160
Female	3.37	7	208	Female	4.65	4	NC*
Total	12.63	18	143	Total	10.89	14	129
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	3.23	3	NC*	Male	1.82	3	NC*
Female	2.42	1	NC*	Female	1.59	2	NC*
Total	5.65	4	NC*	Total	3.41	5	147
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.62	2	NC*	Male	7.65	6	78
Female	61.39	55	90	Female	6.39	3	NC*
Total	62.01	57	92	Total	14.04	9	64
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	3.61	6	166	Male	6.84	4	NC*
				Female	2.92	2	NC*
				Total	9.76	6	61
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	23.25	19	82	Female	7.17	12	167
Female	20.91	21	100				
Total	44.16	40	91				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	3.69	4	NC*	Male	3.85	2	NC*
Female	1.06	2	NC*	Female	3.65	7	192
Total	4.75	6	126	Total	7.49	9	120
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	1.38	3	NC*	Male	58.52	60	103
Female	1.08	1	NC*				
Total	2.46	4	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	5.90	5	85	Male	4.00	3	NC*
Female	3.39	7	206	Female	2.25	0	NC*
Total	9.29	12	129	Total	6.26	3	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	3.49	2	NC*	Male	1.90	5	263
Female	0.91	0	NC*				
Total	4.40	2	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			

Male	4.15	5	120
Female	3.15	3	NC*
Total	7.30	8	110

Liver and Intrahepatic Bile Ducts

Male	2.15	0	NC*
Female	0.79	0	NC*
Total	2.94	0	NC*

Lung and Bronchus

Male	30.73	17	55 #-
Female	23.32	25	107
Total	54.04	42	78

Male	1.26	0	NC*
Female	3.15	4	NC*
Total	4.41	4	NC*

Uteri, Corpus and Uterus, NOS

Female	11.93	12	101
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All Sites / Types

Male	192.68	175	91
Female	181.67	189	104
Total	374.35	364	97

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

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SIR = standardized incidence ratio [**Obs** / **Exp**] X 100]

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+ indicates number of observed cases is statistically significantly higher than the expected number of cases

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East Bridgewater

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>			
Male	6.06	9	148
Female	2.34	2	NC*
Total	8.40	11	131

Brain and Other Central Nervous System

Male	2.44	3	NC*
Female	1.86	0	NC*
Total	4.30	3	NC*

Breast

Male	0.41	1	NC*
Female	43.99	41	93
Total	44.41	42	95

Cervix Uteri

Female	2.87	1	NC*
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Colon / Rectum

Male	15.38	17	111
Female	14.56	15	103
Total	29.94	32	107

Esophagus

Male	2.45	4	NC*
Female	0.74	1	NC*
Total	3.18	5	157

Hodgkin's Disease

Male	1.27	0	NC*
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	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Melanoma of Skin</u>			
Male	4.43	3	NC*
Female	3.51	3	NC*
Total	7.94	6	76

Multiple Myeloma

Male	1.20	2	NC*
Female	1.11	2	NC*
Total	2.31	4	NC*

Non-Hodgkin's Lymphoma

Male	5.52	7	127
Female	4.66	7	150
Total	10.18	14	138

Oral Cavity and Pharynx

Male	4.67	4	NC*
Female	2.07	2	NC*
Total	6.74	6	89

Ovary

Female	5.24	1	NC*
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Pancreas

Male	2.54	6	236
Female	2.54	1	NC*
Total	5.09	7	138

Prostate

Male	38.81	46	119
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Female	0.96	3	NC*
Total	2.23	3	NC*

Kidney and Renal Pelvis

Male	4.02	5	124
Female	2.43	2	NC*
Total	6.45	7	109

Larynx

Male	2.34	1	NC*
Female	0.64	2	NC*
Total	2.98	3	NC*

Leukemia

Male	3.01	3	NC*
Female	2.35	3	NC*
Total	5.35	6	112

Liver and Intrahepatic Bile Ducts

Male	1.47	1	NC*
Female	0.56	0	NC*
Total	2.02	1	NC*

Lung and Bronchus

Male	20.50	18	88
Female	16.50	17	103
Total	37.00	35	95

Stomach

Male	2.64	4	NC*
Female	1.57	2	NC*
Total	4.22	6	142

Testis

Male	1.98	7	354 ~+
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Thyroid

Male	1.01	0	NC*
Female	2.61	3	NC*
Total	3.62	3	NC*

Uteri, Corpus and Uterus, NOS

Female	8.40	3	NC*
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All Sites / Types

Male	131.18	150	114
Female	130.46	122	94
Total	261.65	272	104

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East Brookfield

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	1.56	2	NC*	Male	0.93	0	NC*
Female	0.47	2	NC*	Female	0.61	1	NC*
Total	2.03	4	NC*	Total	1.54	1	NC*
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	0.48	0	NC*	Male	0.29	0	NC*
Female	0.33	0	NC*	Female	0.21	0	NC*
Total	0.81	0	NC*	Total	0.50	0	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.10	1	NC*	Male	1.18	0	NC*
Female	7.78	5	64	Female	0.89	0	NC*
Total	7.88	6	76	Total	2.07	0	NC*
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	0.48	1	NC*	Male	0.95	0	NC*
				Female	0.38	0	NC*

				Total	1.33	0	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	3.89	6	154				
Female	2.97	4	NC*	Female	0.92	0	NC*
Total	6.86	10	146				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	0.55	0	NC*	Male	0.60	2	NC*
Female	0.15	0	NC*	Female	0.51	0	NC*
Total	0.70	0	NC*	Total	1.11	2	NC*
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	0.21	0	NC*	Male	9.09	5	55
Female	0.16	0	NC*				
Total	0.38	0	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	0.87	0	NC*	Male	0.65	0	NC*
Female	0.45	0	NC*	Female	0.32	0	NC*
Total	1.32	0	NC*	Total	0.97	0	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	0.50	1	NC*	Male	0.31	0	NC*
Female	0.11	0	NC*				
Total	0.61	1	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	0.66	0	NC*	Male	0.18	0	NC*
Female	0.43	0	NC*	Female	0.43	0	NC*
Total	1.09	0	NC*	Total	0.61	0	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	0.32	0	NC*				
Female	0.11	0	NC*	Female	1.49	2	NC*
Total	0.43	0	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	4.85	2	NC*	Male	30.25	21	69
Female	3.13	5	159	Female	24.08	21	87
Total	7.98	7	88	Total	54.33	42	77

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East Longmeadow

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	10.77	11	102	Male	6.44	4	NC*
Female	4.45	3	NC*	Female	4.97	5	101
Total	15.21	14	92	Total	11.41	9	79

Brain and Other Central Nervous System

Male	3.28	3	NC*
Female	2.62	4	NC*
Total	5.90	7	119

Breast

Male	0.68	0	NC*
Female	65.56	63	96
Total	66.24	63	95

Cervix Uteri

Female	3.60	1	NC*
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Colon / Rectum

Male	27.04	23	85
Female	27.80	29	104
Total	54.83	52	95

Esophagus

Male	3.91	0	NC*
Female	1.44	2	NC*
Total	5.35	2	NC*

Hodgkin's Disease

Male	1.40	1	NC*
Female	1.14	2	NC*
Total	2.54	3	NC*

Kidney and Renal Pelvis

Male	6.10	5	82
Female	3.92	4	NC*
Total	10.03	9	90

Larynx

Male	3.57	2	NC*
Female	0.96	0	NC*
Total	4.53	2	NC*

Leukemia

Male	4.46	4	NC*
Female	3.66	1	NC*
Total	8.13	5	62

Liver and Intrahepatic Bile Ducts

Male	2.27	0	NC*
Female	1.00	1	NC*
Total	3.27	1	NC*

Lung and Bronchus

Male	34.39	19	55 ~-
Female	27.21	26	96
Total	61.60	45	73 #-

Multiple Myeloma

Male	2.00	1	NC*
Female	1.90	1	NC*
Total	3.90	2	NC*

Non-Hodgkin's Lymphoma

Male	8.14	10	123
Female	7.73	8	104
Total	15.87	18	113

Oral Cavity and Pharynx

Male	6.75	1	NC*
Female	3.31	6	181
Total	10.07	7	70

Ovary

Female	7.59	6	79
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Pancreas

Male	4.25	3	NC*
Female	4.83	3	NC*
Total	9.08	6	66

Prostate

Male	65.71	59	90
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Stomach

Male	4.52	2	NC*
Female	3.01	4	NC*
Total	7.53	6	80

Testis

Male	1.97	1	NC*
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Thyroid

Male	1.21	2	NC*
Female	3.10	3	NC*
Total	4.32	5	116

Uteri, Corpus and Uterus, NOS

Female	12.68	17	134
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All Sites / Types

Male	213.04	159	75 ^-
Female	208.14	204	98
Total	421.18	363	86 ~-

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Eastham

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	6.00	10	167	Male	3.00	2	NC*
Female	1.95	0	NC*	Female	1.94	4	NC*
Total	7.95	10	126	Total	4.94	6	121
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	1.42	4	NC*	Male	1.07	3	NC*
Female	1.07	1	NC*	Female	0.84	1	NC*
Total	2.50	5	200	Total	1.90	4	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.36	0	NC*	Male	3.89	5	129
Female	26.92	42	156 ~+	Female	3.35	1	NC*
Total	27.28	42	154 #+	Total	7.24	6	83
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	1.32	2	NC*	Male	3.03	3	NC*
				Female	1.39	3	NC*
				Total	4.42	6	136
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	14.92	17	114	Female	3.08	3	NC*
Female	12.25	17	139				
Total	27.18	34	125				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	1.94	3	NC*	Male	2.22	4	NC*
Female	0.64	0	NC*	Female	2.16	1	NC*
Total	2.58	3	NC*	Total	4.38	5	114
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	0.49	1	NC*	Male	34.53	52	151 ~+
Female	0.41	2	NC*				
Total	0.90	3	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	2.95	2	NC*	Male	2.43	2	NC*
Female	1.73	1	NC*	Female	1.29	0	NC*
Total	4.67	3	NC*	Total	3.72	2	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	1.69	2	NC*	Male	0.60	1	NC*
Female	0.42	0	NC*				
Total	2.11	2	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	2.17	2	NC*	Male	0.45	0	NC*
Female	1.47	2	NC*	Female	1.10	0	NC*
Total	3.64	4	NC*	Total	1.55	0	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	1.10	2	NC*	Female	5.34	8	150
Female	0.45	1	NC*				
Total	1.55	3	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			

Male	18.13	12	66	Male	109.66	132	120 #+
Female	12.45	10	80	Female	88.14	110	125 #+
Total	30.58	22	72	Total	197.80	242	122 ~+

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Easthampton

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	10.25	10	98	Male	6.38	8	125
Female	4.07	1	NC*	Female	4.97	3	NC*
Total	14.31	11	77	Total	11.35	11	97
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	3.30	4	NC*	Male	1.92	2	NC*
Female	2.65	3	NC*	Female	1.79	3	NC*
Total	5.96	7	118	Total	3.71	5	135
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.65	1	NC*	Male	8.11	8	99
Female	63.00	55	87	Female	7.45	4	NC*
Total	63.65	56	88	Total	15.56	12	77
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	3.81	2	NC*	Male	6.46	3	NC*
				Female	3.12	1	NC*
				Total	9.58	4	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	25.69	22	86	Female	7.40	9	122
Female	25.63	18	70				
Total	51.32	40	78				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	3.65	5	137	Male	4.00	5	125
Female	1.32	1	NC*	Female	4.43	7	158
Total	4.97	6	121	Total	8.42	12	142
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	1.62	1	NC*	Male	60.82	46	76
Female	1.30	2	NC*				
Total	2.92	3	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	5.87	5	85	Male	4.31	6	139
Female	3.74	4	NC*	Female	2.75	2	NC*
Total	9.62	9	94	Total	7.06	8	113
<u>Larynx</u>				<u>Testis</u>			
Male	3.35	3	NC*	Male	2.50	2	NC*

Female	0.92	1	NC*
Total	4.26	4	NC*

Leukemia

Male	4.42	3	NC*
Female	3.51	4	NC*
Total	7.93	7	88

Liver and Intrahepatic Bile Ducts

Male	2.16	3	NC*
Female	0.93	0	NC*
Total	3.09	3	NC*

Lung and Bronchus

Male	32.39	22	68
Female	26.06	29	111
Total	58.44	51	87

Thyroid

Male	1.29	0	NC*
Female	3.43	3	NC*
Total	4.72	3	NC*

Uteri, Corpus and Uterus, NOS

Female	12.05	11	91
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All Sites / Types

Male	203.16	169	83 #-
Female	198.95	175	88
Total	402.12	344	86 ~-

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [**Obs** / **Exp**] X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

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indicates statistical significance at the $p \leq 0.05$ level

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Easton

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	10.63	12	113	Male	7.65	10	131
Female	3.88	3	NC*	Female	5.99	9	150
Total	14.52	15	103	Total	13.64	19	139
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	4.14	4	NC*	Male	2.09	0	NC*
Female	3.15	5	159	Female	1.84	3	NC*
Total	7.30	9	123	Total	3.93	3	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.72	0	NC*	Male	9.50	2	NC*
Female	73.89	88	119	Female	7.80	7	90
Total	74.61	88	118	Total	17.30	9	52 #-
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	4.96	4	NC*	Male	8.14	12	147
				Female	3.46	4	NC*
				Total	11.60	16	138
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	26.96	32	119	Female	8.84	11	124
Female	24.19	20	83				
Total	51.15	52	102				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	4.29	2	NC*	Male	4.47	6	134
Female	1.22	5	409 #+	Female	4.21	7	166

Total	5.51	7	127
<u>Hodgkin's Disease</u>			
Male	2.09	6	287 #+
Female	1.68	4	NC*
Total	3.77	10	265 #+

<u>Kidney and Renal Pelvis</u>			
Male	6.99	7	100
Female	4.04	0	NC*
Total	11.04	7	63

<u>Larynx</u>			
Male	4.10	3	NC*
Female	1.05	0	NC*
Total	5.15	3	NC*

<u>Leukemia</u>			
Male	5.13	9	175
Female	3.96	4	NC*
Total	9.09	13	143

<u>Liver and Intrahepatic Bile Ducts</u>			
Male	2.56	2	NC*
Female	0.92	0	NC*
Total	3.48	2	NC*

<u>Lung and Bronchus</u>			
Male	35.92	43	120
Female	27.30	16	59 #-
Total	63.22	59	93

Total	8.67	13	150
<u>Prostate</u>			
Male	68.24	70	103

<u>Stomach</u>			
Male	4.63	5	108
Female	2.63	3	NC*
Total	7.26	8	110

<u>Testis</u>			
Male	3.22	3	NC*

<u>Thyroid</u>			
Male	1.71	2	NC*
Female	4.56	4	NC*
Total	6.27	6	96

<u>Uteri, Corpus and Uterus, NOS</u>			
Female	14.00	11	79

<u>All Sites / Types</u>			
Male	228.76	241	105
Female	218.62	228	104
Total	447.38	469	105

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [**Obs / Exp**] X 100]

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Edgartown

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>			
Male	2.45	3	NC*
Female	0.87	1	NC*
Total	3.32	4	NC*

<u>Brain and Other Central Nervous System</u>			
Male	0.79	1	NC*
Female	0.60	0	NC*
Total	1.39	1	NC*

<u>Breast</u>			
Male	0.16	0	NC*
Female	14.50	19	131
Total	14.66	19	130

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Melanoma of Skin</u>			
Male	1.56	2	NC*
Female	1.12	2	NC*
Total	2.67	4	NC*

<u>Multiple Myeloma</u>			
Male	0.46	0	NC*
Female	0.39	0	NC*
Total	0.86	0	NC*

<u>Non-Hodgkin's Lymphoma</u>			
Male	1.94	1	NC*
Female	1.62	2	NC*
Total	3.57	3	NC*

Cervix Uteri

Female	0.87	2	NC*
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Colon / Rectum

Male	6.14	5	81
Female	5.38	5	93
Total	11.52	10	87

Esophagus

Male	0.91	0	NC*
Female	0.28	1	NC*
Total	1.19	1	NC*

Hodgkin's Disease

Male	0.36	0	NC*
Female	0.28	1	NC*
Total	0.64	1	NC*

Kidney and Renal Pelvis

Male	1.45	2	NC*
Female	0.85	0	NC*
Total	2.29	2	NC*

Larynx

Male	0.84	2	NC*
Female	0.22	0	NC*
Total	1.06	2	NC*

Leukemia

Male	1.05	0	NC*
Female	0.77	1	NC*
Total	1.82	1	NC*

Liver and Intrahepatic Bile Ducts

Male	0.53	1	NC*
Female	0.20	1	NC*
Total	0.74	2	NC*

Lung and Bronchus

Male	7.86	8	102
Female	5.88	4	NC*
Total	13.74	12	87

Oral Cavity and Pharynx

Male	1.64	1	NC*
Female	0.70	1	NC*
Total	2.34	2	NC*

Ovary

Female	1.71	0	NC*
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Pancreas

Male	0.98	1	NC*
Female	0.95	1	NC*
Total	1.94	2	NC*

Prostate

Male	14.90	9	60
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Stomach

Male	1.04	0	NC*
Female	0.58	0	NC*
Total	1.62	0	NC*

Testis

Male	0.53	1	NC*
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Thyroid

Male	0.31	0	NC*
Female	0.77	1	NC*
Total	1.08	1	NC*

Uteri, Corpus and Uterus, NOS

Female	2.80	3	NC*
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All Sites / Types

Male	49.23	41	83
Female	44.47	48	108
Total	93.69	89	95

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

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Egremont

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

<u>Bladder, Urinary</u>	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>	<u>Melanoma of Skin</u>	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
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Male	1.27	0	NC*
Female	0.38	0	NC*
Total	1.65	0	NC*

Brain and Other Central Nervous System

Male	0.32	0	NC*
Female	0.23	1	NC*
Total	0.55	1	NC*

Breast

Male	0.08	0	NC*
Female	5.81	6	103
Total	5.89	6	102

Cervix Uteri

Female	0.31	0	NC*
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Colon / Rectum

Male	3.15	2	NC*
Female	2.36	0	NC*
Total	5.51	2	NC*

Esophagus

Male	0.42	0	NC*
Female	0.12	0	NC*
Total	0.55	0	NC*

Hodgkin's Disease

Male	0.12	0	NC*
Female	0.09	0	NC*
Total	0.22	0	NC*

Kidney and Renal Pelvis

Male	0.65	1	NC*
Female	0.35	0	NC*
Total	1.00	1	NC*

Larynx

Male	0.38	0	NC*
Female	0.09	0	NC*
Total	0.46	0	NC*

Leukemia

Male	0.48	0	NC*
Female	0.30	0	NC*
Total	0.78	0	NC*

Liver and Intrahepatic Bile Ducts

Male	0.24	0	NC*
Female	0.09	0	NC*
Total	0.33	0	NC*

Lung and Bronchus

Male	3.83	2	NC*
Female	2.45	2	NC*
Total	6.28	4	NC*

Male	0.68	0	NC*
Female	0.43	0	NC*
Total	1.11	0	NC*

Multiple Myeloma

Male	0.23	0	NC*
Female	0.17	0	NC*
Total	0.40	0	NC*

Non-Hodgkin's Lymphoma

Male	0.87	1	NC*
Female	0.67	0	NC*
Total	1.54	1	NC*

Oral Cavity and Pharynx

Male	0.70	0	NC*
Female	0.29	1	NC*
Total	0.98	1	NC*

Ovary

Female	0.67	1	NC*
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Pancreas

Male	0.48	0	NC*
Female	0.41	0	NC*
Total	0.89	0	NC*

Prostate

Male	7.27	3	NC*
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Stomach

Male	0.52	0	NC*
Female	0.25	0	NC*
Total	0.78	0	NC*

Testis

Male	0.16	0	NC*
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Thyroid

Male	0.11	0	NC*
Female	0.27	0	NC*
Total	0.38	0	NC*

Uteri, Corpus and Uterus, NOS

Female	1.14	2	NC*
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All Sites / Types

Male	23.53	11	47 ~-
Female	18.18	15	83
Total	41.71	26	62 #-

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

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Erving

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	1.19	0	NC*	Male	0.70	0	NC*
Female	0.38	1	NC*	Female	0.47	0	NC*
Total	1.56	1	NC*	Total	1.18	0	NC*
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	0.35	0	NC*	Male	0.22	0	NC*
Female	0.25	0	NC*	Female	0.17	0	NC*
Total	0.60	0	NC*	Total	0.39	0	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.07	0	NC*	Male	0.89	2	NC*
Female	6.16	6	97	Female	0.70	1	NC*
Total	6.24	6	96	Total	1.59	3	NC*
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	0.36	1	NC*	Male	0.73	0	NC*
				Female	0.30	0	NC*
				Total	1.03	0	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	2.94	7	238	Female	0.72	1	NC*
Female	2.37	1	NC*				
Total	5.31	8	151				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	0.42	0	NC*	Male	0.46	0	NC*
Female	0.12	1	NC*	Female	0.41	1	NC*
Total	0.54	1	NC*	Total	0.87	1	NC*
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	0.15	0	NC*	Male	6.87	5	73
Female	0.12	0	NC*				
Total	0.27	0	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	0.66	0	NC*	Male	0.50	0	NC*
Female	0.36	0	NC*	Female	0.25	0	NC*
Total	1.02	0	NC*	Total	0.75	0	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	0.38	2	NC*	Male	0.21	0	NC*
Female	0.09	0	NC*				
Total	0.47	2	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	0.48	0	NC*	Male	0.13	0	NC*
Female	0.33	0	NC*	Female	0.32	1	NC*
Total	0.81	0	NC*	Total	0.45	1	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	0.24	0	NC*				

Female	0.09	0	NC*
Total	0.33	0	NC*

Lung and Bronchus

Male	3.65	3	NC*
Female	2.53	0	NC*
Total	6.18	3	NC*

Female	1.19	0	NC*
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All Sites / Types

Male	22.78	20	88
Female	19.07	14	73
Total	41.85	34	81

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

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Essex

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	2.09	4	NC*	Male	1.30	2	NC*
Female	0.78	3	NC*	Female	0.96	5	519 ~+
Total	2.87	7	244	Total	2.26	7	310 #+
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	0.67	1	NC*	Male	0.40	1	NC*
Female	0.52	0	NC*	Female	0.35	1	NC*
Total	1.20	1	NC*	Total	0.75	2	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.13	0	NC*	Male	1.63	2	NC*
Female	12.58	23	183 #+	Female	1.45	0	NC*
Total	12.71	23	181 #+	Total	3.08	2	NC*
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	0.73	3	NC*	Male	1.35	0	NC*
				Female	0.62	1	NC*
				Total	1.97	1	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	5.25	7	133	Female	1.47	1	NC*
Female	4.93	6	122				
Total	10.17	13	128				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	0.76	1	NC*	Male	0.82	0	NC*
Female	0.25	0	NC*	Female	0.86	2	NC*
Total	1.02	1	NC*	Total	1.68	2	NC*
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	0.30	0	NC*	Male	12.76	11	86
Female	0.24	0	NC*				
Total	0.54	0	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	1.22	1	NC*	Male	0.88	0	NC*
Female	0.74	2	NC*	Female	0.53	0	NC*

Total	1.97	3	NC*
<u>Larynx</u>			
Male	0.71	1	NC*
Female	0.19	0	NC*
Total	0.89	1	NC*

<u>Leukemia</u>			
Male	0.90	0	NC*
Female	0.69	2	NC*
Total	1.59	2	NC*

<u>Liver and Intrahepatic Bile Ducts</u>			
Male	0.45	0	NC*
Female	0.18	0	NC*
Total	0.63	0	NC*

<u>Lung and Bronchus</u>			
Male	6.74	3	NC*
Female	5.20	8	154
Total	11.93	11	92

Total	1.40	0	NC*
<u>Testis</u>			
Male	0.44	1	NC*

<u>Thyroid</u>			
Male	0.25	1	NC*
Female	0.64	2	NC*
Total	0.90	3	NC*

<u>Uteri, Corpus and Uterus, NOS</u>			
Female	2.44	3	NC*

<u>All Sites / Types</u>			
Male	41.86	39	93
Female	39.18	67	171 ^+
Total	81.05	106	131 ~+

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Obs = observed case count

SIR = standardized incidence ratio [**Obs** / **Exp**] X 100]

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indicates statistical significance at the $p \leq 0.05$ level

~ indicates statistical significance at the $p \leq 0.01$ level, as well as at the $p \leq 0.05$ level

^ indicates statistical significance at the $p \leq 0.001$ level, as well as at the $p \leq 0.01$ and $p \leq 0.05$ levels

Everett

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>			
Male	22.77	23	101
Female	10.48	7	67
Total	33.25	30	90

<u>Brain and Other Central Nervous System</u>			
Male	7.15	12	168
Female	6.47	6	93
Total	13.62	18	132

<u>Breast</u>			
Male	1.42	2	NC*
Female	152.44	147	96
Total	153.86	149	97

<u>Cervix Uteri</u>			
Female	9.18	11	120

<u>Colon / Rectum</u>			
Male	56.99	49	86
Female	66.11	76	115
Total	123.10	125	102

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Melanoma of Skin</u>			
Male	13.80	10	72
Female	12.15	4	NC*
Total	25.95	14	54 #-

<u>Multiple Myeloma</u>			
Male	4.16	3	NC*
Female	4.45	1	NC*
Total	8.62	4	NC*

<u>Non-Hodgkin's Lymphoma</u>			
Male	17.79	23	129
Female	18.71	18	96
Total	36.49	41	112

<u>Oral Cavity and Pharynx</u>			
Male	13.68	16	117
Female	7.69	6	78
Total	21.38	22	103

<u>Ovary</u>			
Female	17.89	20	112

Esophagus

Male	7.88	11	140
Female	3.42	2	NC*
Total	11.29	13	115

Hodgkin's Disease

Male	3.63	7	193
Female	3.23	2	NC*
Total	6.86	9	131

Kidney and Renal Pelvis

Male	12.54	15	120
Female	9.24	10	108
Total	21.78	25	115

Larynx

Male	7.12	11	154
Female	2.19	0	NC*
Total	9.31	11	118

Leukemia

Male	9.70	8	83
Female	8.78	9	103
Total	18.47	17	92

Liver and Intrahepatic Bile Ducts

Male	4.66	5	107
Female	2.38	1	NC*
Total	7.03	6	85

Lung and Bronchus

Male	70.60	88	125
Female	64.09	77	120
Total	134.70	165	122 #+

Pancreas

Male	8.78	12	137
Female	11.39	12	105
Total	20.18	24	119

Prostate

Male	132.70	118	89
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Stomach

Male	9.56	12	126
Female	7.14	14	196 #+
Total	16.70	26	156 #+

Testis

Male	5.72	8	140
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Thyroid

Male	2.79	2	NC*
Female	8.30	3	NC*
Total	11.10	5	45

Uteri, Corpus and Uterus, NOS

Female	28.96	35	121
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All Sites / Types

Male	444.45	468	105
Female	491.93	514	104
Total	936.37	982	105

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [**Obs / Exp**] X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

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Fairhaven

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	12.52	13	104	Male	7.30	7	96
Female	5.12	7	137	Female	5.67	8	141
Total	17.63	20	113	Total	12.97	15	116
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	3.67	5	136	Male	2.33	3	NC*
Female	3.05	4	NC*	Female	2.21	1	NC*
Total	6.73	9	134	Total	4.55	4	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			

Male	0.78	0	NC*
Female	74.83	83	111
Total	75.61	83	110

Cervix Uteri

Female	4.11	6	146
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Colon / Rectum

Male	31.35	26	83
Female	32.22	41	127
Total	63.57	67	105

Esophagus

Male	4.40	5	114
Female	1.67	1	NC*
Total	6.06	6	99

Hodgkin's Disease

Male	1.56	1	NC*
Female	1.34	0	NC*
Total	2.90	1	NC*

Kidney and Renal Pelvis

Male	6.94	8	115
Female	4.56	7	154
Total	11.50	15	130

Larynx

Male	3.99	2	NC*
Female	1.11	1	NC*
Total	5.11	3	NC*

Leukemia

Male	5.10	2	NC*
Female	4.16	11	265 ~+
Total	9.26	13	140

Liver and Intrahepatic Bile Ducts

Male	2.56	3	NC*
Female	1.16	0	NC*
Total	3.72	3	NC*

Lung and Bronchus

Male	39.47	42	106
Female	32.11	37	115
Total	71.58	79	110

Male	9.26	12	130
Female	9.02	16	177 #+
Total	18.28	28	153 #+

Oral Cavity and Pharynx

Male	7.52	7	93
Female	3.78	2	NC*
Total	11.31	9	80

Ovary

Female	8.66	10	115
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Pancreas

Male	4.84	8	165
Female	5.57	8	144
Total	10.41	16	154

Prostate

Male	74.75	70	94
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Stomach

Male	5.20	3	NC*
Female	3.45	6	174
Total	8.65	9	104

Testis

Male	2.22	6	270
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Thyroid

Male	1.34	1	NC*
Female	3.58	1	NC*
Total	4.92	2	NC*

Uteri, Corpus and Uterus, NOS

Female	14.53	23	158 #+
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All Sites / Types

Male	243.48	241	99
Female	239.81	295	123 ^+
Total	483.29	536	111 #+

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Fall River

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>			
Male	62.65	88	140 ~+
Female	29.25	37	127
Total	91.90	125	136 ~+
<u>Brain and Other Central Nervous System</u>			
Male	18.16	20	110
Female	16.72	16	96
Total	34.88	36	103
<u>Breast</u>			
Male	3.84	4	NC*
Female	398.70	336	84 ~-
Total	402.54	340	84 ~-
<u>Cervix Uteri</u>			
Female	22.31	24	108
<u>Colon / Rectum</u>			
Male	156.02	150	96
Female	184.50	163	88
Total	340.52	313	92
<u>Esophagus</u>			
Male	21.04	25	119
Female	9.59	8	83
Total	30.63	33	108
<u>Hodgkin's Disease</u>			
Male	8.33	4	NC*
Female	7.74	8	103
Total	16.08	12	75
<u>Kidney and Renal Pelvis</u>			
Male	33.25	28	84
Female	24.72	23	93
Total	57.97	51	88
<u>Larynx</u>			
Male	18.79	35	186 ~+
Female	5.75	9	157
Total	24.54	44	179 ^+
<u>Leukemia</u>			
Male	25.73	34	132
Female	23.64	23	97
Total	49.37	57	115
<u>Liver and Intrahepatic Bile Ducts</u>			
Male	12.32	14	114
Female	6.54	5	76
Total	18.86	19	101
<u>Lung and Bronchus</u>			
Male	191.26	229	120 ~+
Female	171.87	158	92
Total	363.13	387	107

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Melanoma of Skin</u>			
Male	35.63	16	45 ^-
Female	31.07	18	58 #-
Total	66.70	34	51 ^-
<u>Multiple Myeloma</u>			
Male	11.40	10	88
Female	12.12	14	115
Total	23.52	24	102
<u>Non-Hodgkin's Lymphoma</u>			
Male	46.07	55	119
Female	50.25	50	99
Total	96.32	105	109
<u>Oral Cavity and Pharynx</u>			
Male	35.49	46	130
Female	20.61	24	116
Total	56.10	70	125
<u>Ovary</u>			
Female	46.32	42	91
<u>Pancreas</u>			
Male	23.69	21	89
Female	31.72	34	107
Total	55.41	55	99
<u>Prostate</u>			
Male	359.24	373	104
<u>Stomach</u>			
Male	25.98	42	162 ~+
Female	19.96	34	170 ~+
Total	45.94	76	165 ^+
<u>Testis</u>			
Male	12.26	17	139
<u>Thyroid</u>			
Male	6.61	8	121
Female	19.75	22	111
Total	26.35	30	114
<u>Uteri, Corpus and Uterus, NOS</u>			
Female	76.27	70	92
<u>All Sites / Types</u>			
Male	1190.16	1315	110 ^+
Female	1311.43	1229	94 #-
Total	2501.59	2544	102

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Falmouth

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	28.93	28	97	Male	15.37	26	169 #+
Female	10.38	16	154	Female	10.88	17	156
Total	39.31	44	112	Total	26.25	43	164 ~+
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	7.46	3	NC*	Male	5.22	6	115
Female	5.91	7	119	Female	4.42	6	136
Total	13.37	10	75	Total	9.64	12	125
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	1.75	5	286	Male	19.75	19	96
Female	146.48	173	118 #+	Female	17.91	18	101
Total	148.23	178	120 #+	Total	37.66	37	98
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	7.64	11	144	Male	15.67	16	102
				Female	7.51	7	93
				Total	23.18	23	99
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	72.05	79	110	Female	16.87	22	130
Female	65.09	72	111				
Total	137.14	151	110				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	9.66	5	52	Male	10.89	9	83
Female	3.40	6	177	Female	11.38	14	123
Total	13.05	11	84	Total	22.27	23	103
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	2.86	2	NC*	Male	168.20	209	124 ~+
Female	2.43	5	205				
Total	5.29	7	132				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	14.84	22	148	Male	11.86	15	126
Female	9.12	10	110	Female	6.95	10	144
Total	23.95	32	134	Total	18.82	25	133
<u>Larynx</u>				<u>Testis</u>			
Male	8.54	9	105	Male	3.73	2	NC*
Female	2.22	1	NC*				
Total	10.76	10	93				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	10.99	9	82	Male	2.53	0	NC*
Female	8.18	5	61	Female	6.51	8	123

Total	19.17	14	73
<u>Liver and Intrahepatic Bile Ducts</u>			
Male	5.54	5	90
Female	2.36	5	212
Total	7.90	10	127

<u>Lung and Bronchus</u>			
Male	88.45	104	118
Female	64.48	60	93
Total	152.93	164	107

Total	9.04	8	88
<u>Uteri, Corpus and Uterus, NOS</u>			
Female	28.66	49	171 ^+

<u>All Sites / Types</u>			
Male	540.33	612	113 ~+
Female	474.44	547	115 ~+
Total	1014.78	1159	114 ^+

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